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TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371		ATTORNEY'S DOCKET NUMBER 022727-0129 U.S. APPLICATION NO. (If known, see 37 CFR 1.5) 10/532156
INTERNATIONAL APPLICATION NO. PCT/US03/33316	INTERNATIONAL FILING DATE 21 October 2003 (21.10.2003)	PRIORITY DATE CLAIMED 21 October 2002 (21.10.2002)
TITLE OF INVENTION CATHETER AND RADIOFREQUENCY COIL WITH ANNULAR B1 FILED		
APPLICANT(S) FOR DO/EO/US Jerome L. ACKERMAN and Van J. WEDEEN		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a submission under 35 U.S.C. 371. 2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371. 3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371 (f)). The submission must include items (5), (6), (9) and (21) indicated below. 4. <input checked="" type="checkbox"/> The US has been elected (Article 31). 5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371 (c)(2)) a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). b. <input checked="" type="checkbox"/> has been communicated by the International Bureau. c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). 6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371 (c)(2)). a. <input type="checkbox"/> is attached hereto. b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4). 7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3)) a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> have been communicated by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input checked="" type="checkbox"/> have not been made and will not be made. 8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)). 9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)) (unexecuted) (3 sheets); 10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5))		
Items 11 to 20 below concern document(s) or information included:		
11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98. 12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 13. <input type="checkbox"/> A preliminary amendment. 14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76. 15. <input type="checkbox"/> A substitute specification. 16. <input type="checkbox"/> A power of attorney and/or change of address letter. 17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825. 18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4). 19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4). 20. <input checked="" type="checkbox"/> Other items or information: Transmittal Letter (2 sheets in duplicate); PCT International Published Application (WO 2004/038442) (without International Search Report) (60 sheets); Cover sheet of PCT International Published Application (WO 2004/038442) (with International Search Report) (8 sheets); PCT Written Opinion (20 sheets); PCT International Preliminary Examination Report (19 sheets); Certificate of Express Mailing (1 sheet); Check (\$1775) based on SMALL entity; and Return Postcard.		

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U.S. APPLICATION NO. (if known, use 37 CFR 1.52)		INTERNATIONAL APPLICATION NO.		ATTORNEY'S DOCKET NUMBER	
10/532156		PCT/US03/33316		022727-0129	
The following fees have been submitted				CALCULATIONS	PTO USE ONLY
21.	<input checked="" type="checkbox"/> Basic national fee	\$300		\$ 300.00	
22.	<input checked="" type="checkbox"/> Examination fee				
If International preliminary examination report prepared by USPTO and all claims satisfy provisions of PCT Article 33(1)-(4)				\$ 200.00	
All other situations				\$ 200	
23.	<input checked="" type="checkbox"/> Search fee				
Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority				\$ 100	
International Search Report prepared and provided to the Office				\$ 400	
All other situations				\$ 500	
TOTAL OF 21, 22 and 23 =				\$ 1,000.00	
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.					
Total Sheets	Extra sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE		
- 100 =	/50 =		x \$250.00		
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492 (e)).				\$	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE		
Total claims	51 - 20 =	31	x 50.00	\$ 1,550.00	
Independent claims	8 - 3 =	5	x 200.00	\$ 1,000.00	
MULTIPLE DEPENDENT CLAIM(s) (if applicable)				\$	
TOTAL OF ABOVE CALCULATIONS =				\$ 3,550.00	
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.				\$ 1,775.00	
SUBTOTAL =				\$ 1,775.00	
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492 (f)).				\$	
TOTAL NATIONAL FEE =				\$ 1,775.00	
Fee for recording the enclosed assignment (37 CFR 1.21 (h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property				\$	
TOTAL FEES ENCLOSED =				\$ 1,775.00	
				Amount to be refunded:	\$
				Amount to be charged:	\$
a.	<input checked="" type="checkbox"/> A check in the amount of \$ 1,775.00 to cover the above fees is enclosed.				
b.	<input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed.				
c.	<input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 141449. A duplicate copy of this sheet is enclosed.				
d.	<input type="checkbox"/> Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.				
NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137 (a) or (b)) must be filed and granted to restore the International Application to pending status.					
SEND ALL CORRESPONDENCE TO:					
William C. Geary III					
NUTTER MCCLENNEN & FISH LLP					
World Trade Center West					
155 Seaport Boulevard					
Boston, Massachusetts 02210-2604					
(617)439-2766					
CUSTOMER NUMBER: 021125					
				SIGNATURE	
				Reza Mollaaghababa	
				NAME	
				43,810	
				REGISTRATION NUMBER	

UNITED STATES PATENT OFFICE

Applicant(s):	Jerome L. ACKERMAN and Van J. WEDEEN
Application No:	Not yet Assigned
Filed:	Herewith
Entitled:	CATHETER AND RADIOFREQUENCY COIL WITH ANNULAR B1 FILED
Agent's File Reference:	22727-129

Certification under 37 CFR 1.10

Attention Mail Stop PCT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

I hereby certify that the following documents are being deposited with the United States Postal Service using "Express Mail Post Office to Addressee" service, Mailing Label No. **EV 323 624 395 US**, under 37 CFR 1.10 on the date indicated below and addressed to Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450:

- (1) Transmittal Letter (2 sheets in duplicate);
- (2) Declaration, Petition and Power of Attorney (unexecuted) (3 sheets);
- (3) Copy of PCT International Published Application (WO 2004/038442)
(without International Search Report attached) (60 sheets);
- (4) Copy of Cover sheet of PCT International Published Application (WO 2004/038442)
(with International Search Report) (8 sheets);
- (5) Copy of PCT Written Opinion (20 sheets);
- (6) Copy of PCT International Preliminary Examination Report (19 sheets);
- (7) Check (\$1775) based on SMALL entity status;
- (8) Certificate of Express mailing (1 sheet); and
- (9) Return Postcard.

20 April 2005

Date


Name: **Reza Mollaaghababa**